

## Fastest Growing Occupations in Idaho: 2002 - 2012

(Ranked by Percent Change)

Occupational Title	2002 Employ- ment	2012 Employ- ment	Change in Employ	Total Annual Growth	Percent Change	Average Hourly Wage	Education or Training Level
<b>Total, All Occupations</b>	610,643	755,161	144,518	29,113	23.67	15.65	
Animal Breeders	53	117	64	7	120.75		
Medical Assistants	953	1,725	772	95	81.01	11.49	10 Moderate-term on-the-job training
Social and Human Service Assistants	2,385	4,215	1,830	225	76.73	10.29	10 Moderate-term on-the-job training
Miscellaneous Computer Specialists	1,085	1,915	830	95	76.50	21.22	7 Postsecondary vocational training
Network Systems and Data Communications Analysts	470	821	351	41	74.68	22.78	5 Bachelor's degree
Roofers	1,512	2,604	1,092	144	72.22	13.86	10 Moderate-term on-the-job training
Pump Operators, Except Wellhead Pumps	18	31	13	2	72.22	13.38	10 Moderate-term on-the-job training
Electronic Home Entertainment Equipment Installers & Repairers	32	55	23	3	71.88	12.93	7 Postsecondary vocational training
Physician Assistants	180	301	121	15	67.22	31.99	5 Bachelor's degree
Physical Therapist Aides	202	337	135	17	66.83	8.85	11 Short-term on-the-job training
Tile and Marble Setters	385	633	248	31	64.42	15.32	9 Long-term on-the-job training
Physical Therapist Assistants	167	273	106	13	63.47	14.80	6 Associate degree
Home Health Aides	2,268	3,700	1,432	173	63.14	8.45	11 Short-term on-the-job training
Heating, Air Conditioning, Refrigeration Mechanics & Installers	1,125	1,834	709	86	63.02	15.38	9 Long-term on-the-job training
Medical Records and Health Information Technicians	642	1,045	403	50	62.77	11.89	6 Associate degree
Personal and Home Care Aides	1,145	1,862	717	90	62.62	7.88	11 Short-term on-the-job training
Private Detectives and Investigators	152	245	93	13	61.18	16.33	8 Work experience in a related occupation
Cement Masons and Concrete Finishers	1,034	1,665	631	84	61.03	14.50	9 Long-term on-the-job training
Cardiovascular Technologists and Technicians	82	131	49	6	59.76	17.24	6 Associate degree
Tapers	439	698	259	35	59.00	19.76	10 Moderate-term on-the-job training
Veterinary Technologists and Technicians	375	596	221	27	58.93	9.88	6 Associate degree
Respiratory Therapy Technicians	268	423	155	19	57.84	20.91	7 Postsecondary vocational training
Drywall and Ceiling Tile Installers	986	1,556	570	78	57.81	16.88	10 Moderate-term on-the-job training
Respiratory Therapists	434	683	249	39	57.37	20.07	6 Associate degree
Dental Hygienists	979	1,540	561	64	57.30	28.14	6 Associate degree
Sheet Metal Workers	707	1,111	404	57	57.14	16.16	10 Moderate-term on-the-job training
Dental Assistants	1,333	2,092	759	113	56.94	13.04	10 Moderate-term on-the-job training
Mental Health and Substance Abuse Social Workers	97	152	55	7	56.70		
Elevator Installers and Repairers	32	50	18	3	56.25		
Occupational Therapists	409	639	230	29	56.23	24.64	5 Bachelor's degree
Electricians	3,006	4,688	1,682	228	55.95	20.21	9 Long-term on-the-job training
Graders and Sorters, Agricultural Products	1,380	2,151	771	114	55.87	7.21	8 Work experience in a related occupation
Helpers--Roofers	190	296	106	19	55.79	9.15	11 Short-term on-the-job training

Structural Iron and Steel Workers	259	402	143	19	55.21	14.32	9 Long-term on-the-job training
Miscellaneous Personal Care and Service Workers	423	654	231	32	54.61	8.22	10 Moderate-term on-the-job training
Life, Physical, and Social Science Technicians, All Other	407	629	222	32	54.55	16.44	6 Associate degree
Foundry Mold and Coremakers	47	72	25	4	53.19		
Physical Therapists	615	940	325	39	52.85	30.80	3 Master's degree
Helpers--Painters, Paperhangers, Plasterers & Stucco Masons	148	226	78	14	52.70		
Massage Therapists	802	1,222	420	58	52.37	20.57	7 Postsecondary vocational training
Hazardous Materials Removal Workers	168	254	86	13	51.19		
Pharmacists	1,120	1,690	570	79	50.89	36.93	1 First professional degree
Pharmacy Technicians	887	1,336	449	57	50.62	12.57	10 Moderate-term on-the-job training
Computer, Automated Teller, and Office Machine Repairers	1,473	2,212	739	92	50.17	12.53	7 Postsecondary vocational training
Locksmiths and Safe Repairers	153	229	76	13	49.67	11.22	10 Moderate-term on-the-job training
Medical and Public Health Social Workers	325	484	159	22	48.92	11.40	11 Short-term on-the-job training
Brickmasons and Blockmasons	449	668	219	29	48.78	20.92	9 Long-term on-the-job training
Editors	329	489	160	24	48.63	17.66	5 Bachelor's degree
Health Specialties Teachers, Postsecondary	60	89	29	4	48.33	38,226	2 Doctoral degree
Plumbers, Pipefitters, and Steamfitters	2,244	3,325	1,081	160	48.17	18.39	9 Long-term on-the-job training
Directors, Religious Activities and Education	27	40	13	2	48.15		
Registered Nurses	9,894	14,629	4,735	681	47.86	23.03	6 Associate degree
Surgical Technologists	235	347	112	14	47.66	16.84	7 Postsecondary vocational training
Audiologists	110	162	52	8	47.27	23.30	3 Master's degree
Interviewers, Except Eligibility and Loan	1,298	1,904	606	94	46.69	12.89	11 Short-term on-the-job training
Adult Literacy, Remedial Education & GED Teachers & Instructors	161	236	75	10	46.58	8.62	5 Bachelor's degree
Healthcare Support Workers, All Other	613	897	284	40	46.33	12.64	11 Short-term on-the-job training
Radiologic Technologists and Technicians	794	1,159	365	51	45.97	19.46	6 Associate degree
Survey Researchers	322	470	148	23	45.96	8.66	5 Bachelor's degree
Radiation Therapists	61	89	28	4	45.90	28.53	6 Associate degree
Philosophy and Religion Teachers, Postsecondary	133	194	61	9	45.86	54,100	2 Doctoral degree
Computer Software Engineers, Applications	1,149	1,675	526	64	45.78	32.41	5 Bachelor's degree
Preschool Teachers, Except Special Education	1,198	1,744	546	69	45.58	7.42	5 Bachelor's degree
Agents and Business Managers of Artists, Performers & Athletes	22	32	10	1	45.45		
Environmental Science & Protection Technicians, Including Health	271	394	123	19	45.39		
Computer Systems Analysts	1,207	1,753	546	68	45.24	30.86	5 Bachelor's degree
Plasterers and Stucco Masons	272	395	123	17	45.22	14.11	9 Long-term on-the-job training
Nursing Aides, Orderlies, and Attendants	6,872	9,971	3,099	400	45.10	9.01	11 Short-term on-the-job training
Helpers--Carpenters	1,096	1,584	488	94	44.53	10.09	11 Short-term on-the-job training
Lay-Out Workers, Metal and Plastic	36	52	16	2	44.44	14.47	10 Moderate-term on-the-job training
Medical and Health Services Managers	1,107	1,598	491	71	44.35	29.73	4 Work experience plus bachelor's or higher degree
Reinforcing Iron and Rebar Workers	61	88	27	4	44.26	18.72	9 Long-term on-the-job training

Computer Software Engineers, Systems Software	741	1,068	327	40	44.13		
Helpers--Electricians	93	134	41	8	44.09	14.21	11 Short-term on-the-job training
Film and Video Editors	25	36	11	2	44.00	11.49	5 Bachelor's degree
Network and Computer Systems Administrators	677	973	296	37	43.72	25.19	5 Bachelor's degree
Pesticide Handlers, Sprayers, and Applicators, Vegetation	394	565	171	26	43.40	12.88	10 Moderate-term on-the-job training
Dietetic Technicians	113	162	49	6	43.36	11.42	10 Moderate-term on-the-job training
Archivists, Curators, and Museum Technicians	44	63	19	3	43.18	15.05	3 Master's degree
Nursing Instructors and Teachers, Postsecondary	86	123	37	6	43.02	50,089	3 Master's degree
Miscellaneous Teachers and Instructors	590	843	253	33	42.88	43,862	5 Bachelor's degree
Customer Service Representatives	7,246	10,353	3,107	418	42.88	11.22	10 Moderate-term on-the-job training
Art, Drama, and Music Teachers, Postsecondary	148	210	62	10	41.89	48,192	2 Doctoral degree
Pest Control Workers	43	61	18	2	41.86	14.85	10 Moderate-term on-the-job training
Marriage and Family Therapists	146	207	61	9	41.78	16.24	3 Master's degree
Foreign Language and Literature Teachers, Postsecondary	79	112	33	5	41.77	41,921	2 Doctoral degree
Business Teachers, Postsecondary	199	282	83	13	41.71	58,787	2 Doctoral degree
Environmental Engineers	247	350	103	15	41.70	34.21	5 Bachelor's degree
Psychology Teachers, Postsecondary	97	137	40	6	41.24	53,017	2 Doctoral degree
Painters, Construction and Maintenance	1,695	2,393	698	96	41.18	12.78	10 Moderate-term on-the-job training
Education Teachers, Postsecondary	102	144	42	7	41.18	50,434	2 Doctoral degree
Mental Health Counselors	185	261	76	12	41.08	20.64	3 Master's degree
Computer Science Teachers, Postsecondary	56	79	23	4	41.07	53,194	2 Doctoral degree
Carpet Installers	312	440	128	18	41.03	16.31	10 Moderate-term on-the-job training
Bus Drivers, Transit and Intercity	379	534	155	24	40.90	11.00	10 Moderate-term on-the-job training
Desktop Publishers	152	214	62	10	40.79	12.38	7 Postsecondary vocational training
Political Science Teachers, Postsecondary	27	38	11	2	40.74	61,746	2 Doctoral degree
Sociology Teachers, Postsecondary	27	38	11	2	40.74	53,172	2 Doctoral degree
Speech-Language Pathologists	466	655	189	31	40.56	20.98	3 Master's degree
Cost Estimators	974	1,368	394	61	40.45	22.24	5 Bachelor's degree
Vocational Education Teachers, Postsecondary	433	608	175	27	40.42	22.12	8 Work experience in a related occupation
Self-Enrichment Education Teachers	354	497	143	19	40.40	15.26	8 Work experience in a related occupation
History Teachers, Postsecondary	52	73	21	3	40.38	51,251	2 Doctoral degree
Communications Teachers, Postsecondary	67	94	27	4	40.30	52,665	2 Doctoral degree
Receptionists and Information Clerks	4,332	6,073	1,741	281	40.19	10.24	11 Short-term on-the-job training
Helpers, Construction Trades, All Other	840	1,177	337	69	40.12	11.00	11 Short-term on-the-job training
Obstetricians and Gynecologists	25	35	10	1	40.00		
Social Scientists and Related Workers, All Other	188	263	75	12	39.89	23.23	3 Master's degree
Chemistry Teachers, Postsecondary	53	74	21	3	39.62	52,590	2 Doctoral degree
Crane and Tower Operators	233	325	92	14	39.48	18.10	10 Moderate-term on-the-job training
Occupational Therapist Assistants	38	53	15	2	39.47	17.12	6 Associate degree
Library Science Teachers, Postsecondary	61	85	24	4	39.34		
Insulation Workers	267	372	105	19	39.33	15.94	10 Moderate-term on-the-job training

Engineering Teachers, Postsecondary	28	39	11	2	39.29	52,942	2 Doctoral degree
English Language and Literature Teachers, Postsecondary	184	256	72	11	39.13	45,607	2 Doctoral degree
Pediatricians, General	110	153	43	6	39.09	57.88	1 First professional degree
Biological Science Teachers, Postsecondary	87	121	34	5	39.08		
Architecture Teachers, Postsecondary	82	114	32	5	39.02	50,072	2 Doctoral degree
Anesthesiologists	167	232	65	9	38.92	83.44	1 First professional degree
Physics Teachers, Postsecondary	36	50	14	2	38.89	50,388	2 Doctoral degree
Medical and Clinical Laboratory Technologists	366	508	142	24	38.80	20.15	5 Bachelor's degree
Social Work Teachers, Postsecondary	49	68	19	3	38.78	51,212	2 Doctoral degree
Tree Trimmers and Pruners	75	104	29	5	38.67	11.58	11 Short-term on-the-job training
Postsecondary Teachers, All Other	2,310	3,197	887	141	38.40	59,238	2 Doctoral degree
Mathematical Science Teachers, Postsecondary	120	166	46	7	38.33	50,081	2 Doctoral degree
Surgeons	306	423	117	16	38.24	95.92	1 First professional degree
Child, Family, and School Social Workers	260	359	99	14	38.08	16.71	5 Bachelor's degree
Recreation and Fitness Studies Teachers, Postsecondary	71	98	27	4	38.03	47,795	3 Master's degree
Helpers--ipelayers, Plumbers, Pipefitters, Steamfitters	421	581	160	34	38.00	11.31	11 Short-term on-the-job training
Computer Support Specialists	1,770	2,440	670	89	37.85	17.92	6 Associate degree
Fitness Trainers and Aerobics Instructors	992	1,367	375	60	37.80	12.46	7 Postsecondary vocational training
Family and General Practitioners	492	677	185	25	37.60	68.48	1 First professional degree
Veterinary Assistants and Laboratory Animal Caretakers	334	459	125	19	37.43	8.53	11 Short-term on-the-job training
Construction Laborers	3,909	5,367	1,458	198	37.30	11.39	10 Moderate-term on-the-job training
Stonemasons	384	527	143	20	37.24	19.30	9 Long-term on-the-job training
Microbiologists	180	247	67	12	37.22	26.88	2 Doctoral degree
First-Line Supervisors/Managers of Construction Extraction Workers	3,282	4,499	1,217	178	37.08	22.04	8 Work experience in a related occupation
Medical Transcriptionists	648	888	240	36	37.04	17.05	7 Postsecondary vocational training
Medical and Clinical Laboratory Technicians	300	411	111	19	37.00	15.01	6 Associate degree
Market Research Analysts	364	498	134	23	36.81	29.24	5 Bachelor's degree
Agricultural Sciences Teachers, Postsecondary	30	41	11	2	36.67	57,677	2 Doctoral degree
Chiropractors	257	351	94	14	36.58	18.09	1 First professional degree
Graduate Teaching Assistants	482	658	176	29	36.51	30,510	5 Bachelor's degree
First-Line Supervisors/Managers of Landscaping, Lawn Service, & Groundskeeping Workers	505	689	184	23	36.44	16.09	8 Work experience in a related occupation
Home Economics Teachers, Postsecondary	22	30	8	1	36.36		
Sales and Related Workers, All Other	1,659	2,262	603	92	36.35	16.01	10 Moderate-term on-the-job training
Personal Financial Advisors	201	274	73	10	36.32	21.85	5 Bachelor's degree
Veterinarians	397	541	144	24	36.27	27.18	1 First professional degree
Landscaping and Groundskeeping Workers	4,765	6,486	1,721	276	36.12	10.10	11 Short-term on-the-job training
Nuclear Medicine Technologists	36	49	13	2	36.11	22.25	6 Associate degree
Kindergarten Teachers, Except Special Education	97	132	35	5	36.08	24,307	5 Bachelor's degree
Demonstrators and Product Promoters	674	913	239	39	35.46	9.73	10 Moderate-term on-the-job training

Management Analysts	907	1,228	321	45	35.39	28.11	4 Work experience plus bachelor's or higher degree
Locker Room, Coatroom, and Dressing Room Attendants	65	88	23	4	35.38		
Carpenters	6,919	9,343	2,424	355	35.03	15.61	9 Long-term on-the-job training
Public Relations Specialists	341	460	119	17	34.90	14.44	10 Moderate-term on-the-job training
Diagnostic Medical Sonographers	129	174	45	7	34.88	23.45	6 Associate degree
Environmental Scientists and Specialists, Including Health	482	649	167	25	34.65	28.74	5 Bachelor's degree
Education Administrators, Preschool and Child Care Center/Program	306	412	106	18	34.64	15.39	4 Work experience plus bachelor's or higher degree
Database Administrators	533	717	184	24	34.52	13.47	9 Long-term on-the-job training
Employment, Recruitment, and Placement Specialists	462	621	159	23	34.42	20.35	5 Bachelor's degree
Social and Community Service Managers	405	544	139	22	34.32	18.74	11 Short-term on-the-job training
Tax Preparers	172	231	59	9	34.30	11.95	10 Moderate-term on-the-job training
Security Guards	3,094	4,152	1,058	173	34.20	11.00	11 Short-term on-the-job training
Construction Managers	2,356	3,160	804	123	34.13	29.13	5 Bachelor's degree
Licensed Practical and Licensed Vocational Nurses	2,950	3,954	1,004	165	34.03	15.29	7 Postsecondary vocational training
Manufactured Building and Mobile Home Installers	62	83	21	4	33.87		
Miscellaneous Motor Vehicle Operators	335	448	113	16	33.73	10.94	11 Short-term on-the-job training
Miscellaneous Health Diagnosing and Treating Practitioners	375	501	126	21	33.60	29.63	1 First professional degree
Rehabilitation Counselors	953	1,273	320	54	33.58	15.62	3 Master's degree
Dietitians and Nutritionists	200	267	67	12	33.50	15.77	5 Bachelor's degree
Substance Abuse and Behavioral Disorder Counselors	463	618	155	26	33.48	15.79	3 Master's degree
Opticians, Dispensing	254	339	85	13	33.46	9.64	9 Long-term on-the-job training
Numerical Tool and Process Control Programmers	33	44	11	2	33.33	16.92	9 Long-term on-the-job training
Drafter, Engineering, & Mapping Technicians, All Other	860	1,145	285	49	33.14	18.30	6 Associate degree
Technical Writers	327	435	108	20	33.03	22.95	5 Bachelor's degree
Miscellaneous Business Operations Specialists	3,261	4,338	1,077	163	33.03	24.02	5 Bachelor's degree
Medical Equipment Preparers	85	113	28	4	32.94	11.11	11 Short-term on-the-job training
Health Professionals and Technicians, All Other (OES Only)	577	767	190	29	32.93	18.50	
Loan Counselors	116	154	38	6	32.76	15.64	5 Bachelor's degree
Glaziers	504	669	165	27	32.74	14.18	9 Long-term on-the-job training
Rock Splitters, Quarry	46	61	15	3	32.61		
Purchasing Agents and Buyers, Farm Products	117	155	38	8	32.48	22.49	8 Work experience in a related occupation
Medical Secretaries	1,513	2,003	490	78	32.39	12.00	7 Postsecondary vocational training
Sales Managers	1,244	1,646	402	63	32.32	29.08	4 Work experience plus bachelor's or higher degree
Paralegals and Legal Assistants	489	647	158	20	32.31	18.47	6 Associate degree
Automotive Glass Installers and Repairers	180	238	58	9	32.22	13.18	9 Long-term on-the-job training
Residential Advisors	90	119	29	5	32.22	10.03	10 Moderate-term on-the-job training
Advertising and Promotions Managers	349	461	112	18	32.09	20.27	4 Work experience plus bachelor's or higher degree
Septic Tank Servicers and Sewer Pipe Cleaners	187	247	60	11	32.09	15.11	10 Moderate-term on-the-job training
Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	53	70	17	3	32.08	12.70	10 Moderate-term on-the-job training

Optometrists	156	206	50	9	32.05	36.26	1 First professional degree
Assemblers and Fabricators, All Other	473	624	151	27	31.92	9.27	10 Moderate-term on-the-job training
Psychiatric Aides	483	637	154	22	31.88		
Combined Food Preparation and Serving Workers, Including Fast Food	9,447	12,450	3,003	710	31.79	6.83	11 Short-term on-the-job training
Computer and Information Systems Managers	845	1,113	268	42	31.72	34.32	4 Work experience plus bachelor's or higher degree
Hydrologists	105	138	33	5	31.43	29.22	5 Bachelor's degree
Counselors, Social, and Religious Workers, All Other (OES Only)	1,327	1,743	416	66	31.35	16.69	5 Bachelor's degree
Forest and Conservation Technicians	1,657	2,175	518	91	31.26	18.01	6 Associate degree
Excavating and Loading Machine and Dragline Operators	730	958	228	43	31.23	15.60	10 Moderate-term on-the-job training
Foresters	234	307	73	14	31.20	22.25	5 Bachelor's degree
Tool and Die Makers	138	181	43	7	31.16	18.47	9 Long-term on-the-job training
Miscellaneous Media and Communication Equipment Workers	61	80	19	3	31.15	18.07	10 Moderate-term on-the-job training
Metal Workers and Plastic Workers, All Other	45	59	14	3	31.11	15.59	10 Moderate-term on-the-job training
Miscellaneous Engineers	871	1,141	270	44	31.00	31.49	5 Bachelor's degree
Taxi Drivers and Chauffeurs	265	347	82	11	30.94	7.91	11 Short-term on-the-job training
Bill and Account Collectors	1,686	2,207	521	84	30.90	12.96	11 Short-term on-the-job training
Welders, Cutters, Solderers, and Brazers	1,611	2,106	495	95	30.73	14.70	7 Postsecondary vocational training
Earth Drillers, Except Oil and Gas	193	252	59	10	30.57	17.31	10 Moderate-term on-the-job training
Human Resources Managers	746	974	228	35	30.56	28.23	4 Work experience plus bachelor's or higher degree
Farm Labor Contractors	36	47	11	2	30.56		
Gaming Workers, All Other (OES Only)	177	231	54	11	30.51	8.93	10 Moderate-term on-the-job training
Merchandise Displayers and Window Trimmers	289	377	88	13	30.45	9.03	10 Moderate-term on-the-job training
Public Relations Managers	447	583	136	21	30.43	24.93	4 Work experience plus bachelor's or higher degree
Surveying and Mapping Technicians	353	460	107	24	30.31	25.36	5 Bachelor's degree
Training and Development Specialists	924	1,204	280	42	30.30	20.11	5 Bachelor's degree
Audio and Video Equipment Technicians	76	99	23	4	30.26	17.82	9 Long-term on-the-job training
Physicians and Surgeons, All Other	255	332	77	11	30.20	63.30	1 First professional degree
Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	209	272	63	12	30.14	11.48	10 Moderate-term on-the-job training
Airline Pilots, Copilots, and Flight Engineers	190	247	57	11	30.00		
Psychiatrists	50	65	15	2	30.00	72.03	1 First professional degree
Legal Secretaries	1,464	1,902	438	72	29.92	14.03	7 Postsecondary vocational training
Graphic Designers	670	870	200	29	29.85	16.11	5 Bachelor's degree
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	10,398	13,501	3,103	508	29.84	9.00	11 Short-term on-the-job training
Compensation, Benefits, and Job Analysis Specialists	166	215	49	7	29.52	19.84	5 Bachelor's degree
Property, Real Estate, and Community Association Managers	1,607	2,079	472	77	29.37	18.03	5 Bachelor's degree
Appraisers and Assessors of Real Estate	837	1,082	245	43	29.27	19.95	7 Postsecondary vocational training
Administrative Services Managers	1,287	1,663	376	63	29.22	22.69	4 Work experience plus bachelor's or higher degree
Pourers and Casters, Metal	31	40	9	2	29.03	10.57	10 Moderate-term on-the-job training

Nonfarm Animal Caretakers	431	556	125	23	29.00	8.95	11 Short-term on-the-job training
Production Workers, All Other	1,177	1,518	341	62	28.97	10.41	10 Moderate-term on-the-job training
Medical Scientists, Except Epidemiologists	45	58	13	2	28.89	29.46	2 Doctoral degree
Sales Engineers	215	277	62	13	28.84	33.82	5 Bachelor's degree
Natural Sciences Managers	465	598	133	22	28.60	29.36	4 Work experience plus bachelor's or higher degree
Child Care Workers	3,514	4,519	1,005	196	28.60	7.92	11 Short-term on-the-job training
Marketing Managers	801	1,030	229	38	28.59	36.26	4 Work experience plus bachelor's or higher degree
Interior Designers	126	162	36	5	28.57	16.35	5 Bachelor's degree
Counter and Rental Clerks	1,722	2,211	489	115	28.40	9.35	11 Short-term on-the-job training
Internists, General	46	59	13	2	28.26	98.80	1 First professional degree
Meeting and Convention Planners	78	100	22	4	28.21		
Architects, Except Landscape and Naval	651	834	183	26	28.11	27.98	5 Bachelor's degree
Conservation Scientists	242	310	68	14	28.10	31.46	5 Bachelor's degree
Sales Representatives, Wholesale and Manufacturing, Except Technical & Scientific Products	5,938	7,604	1,666	323	28.06	18.64	10 Moderate-term on-the-job training
Claims Adjusters, Examiners, and Investigators	635	813	178	26	28.03	24.62	9 Long-term on-the-job training
Weighers, Measurers, Checkers, and Samplers, Recordkeeping	375	480	105	20	28.00	10.33	11 Short-term on-the-job training
Landscape Architects	111	142	31	4	27.93	23.65	5 Bachelor's degree
Outdoor Power Equipment and Other Small Engine Mechanics	213	272	59	11	27.70	13.15	10 Moderate-term on-the-job training
Emergency Management Specialists	58	74	16	3	27.59		
Biological Technicians	504	643	139	22	27.58	16.49	6 Associate degree
Environmental Engineering Technicians	229	292	63	11	27.51	23.53	6 Associate degree
Accountants and Auditors	3,134	3,996	862	145	27.50	24.72	5 Bachelor's degree
Telecommunications Line Installers and Repairers	307	391	84	17	27.36	20.31	9 Long-term on-the-job training
Molding, Coremaking, & Casting Machine Setters, Operators, & Tenders, Metal & Plastic	117	149	32	6	27.35	9.73	10 Moderate-term on-the-job training
Grinding and Polishing Workers, Hand	77	98	21	4	27.27	10.92	10 Moderate-term on-the-job training
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	1,407	1,790	383	75	27.22	24.09	10 Moderate-term on-the-job training
Truck Drivers, Light or Delivery Services	4,739	6,029	1,290	173	27.22	11.01	11 Short-term on-the-job training
Miscellaneous Financial Specialists	658	837	179	30	27.20	16.76	5 Bachelor's degree
Air Traffic Controllers	48	61	13	3	27.08	36.10	9 Long-term on-the-job training
Reservation and Transportation Ticket Agents and Travel Clerks	562	714	152	30	27.05	12.55	11 Short-term on-the-job training
Education Administrators, Postsecondary	321	407	86	17	26.79	37.01	4 Work experience plus bachelor's or higher degree
Occupational Health and Safety Specialists and Technicians	168	213	45	8	26.79	27.29	5 Bachelor's degree
Atmospheric and Space Scientists	30	38	8	2	26.67	35.36	5 Bachelor's degree
Skin Care Specialists	30	38	8	1	26.67		
First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	903	1,143	240	45	26.58	13.39	8 Work experience in a related occupation
Geoscientists, Except Hydrologists and Geographers	83	105	22	4	26.51	30.50	5 Bachelor's degree

Waiters and Waitresses	9,933	12,562	2,629	774	26.47	6.62	11 Short-term on-the-job training
Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	1,296	1,639	343	76	26.47	6.35	11 Short-term on-the-job training
Protective Service Workers, All Other	595	752	157	57	26.39	12.63	11 Short-term on-the-job training
Recreation Workers	625	789	164	31	26.24	10.70	5 Bachelor's degree
Computer-Controlled Machine Tool Operators, Metal and Plastic	168	212	44	7	26.19	13.04	9 Long-term on-the-job training
Flight Attendants	84	106	22	3	26.19		
Anthropologists and Archeologists	42	53	11	2	26.19	23.34	3 Master's degree
Agricultural Equipment Operators	521	657	136	28	26.10	14.84	11 Short-term on-the-job training
Miscellaneous First-Line Supervisors/Managers, Protective Service Workers	142	179	37	7	26.06	21.24	8 Work experience in a related occupation
General and Operations Managers	11,877	14,969	3,092	533	26.03	29.00	4 Work experience plus bachelor's or higher degree
Grinding, Lapping, Polishing, & Buffing Machine Tool Setters, Oper, & Tenders, Metal & Plastic	116	146	30	5	25.86	12.11	10 Moderate-term on-the-job training
Manicurists and Pedicurists	31	39	8	1	25.81	6.93	7 Postsecondary vocational training
Instructional Coordinators	105	132	27	4	25.71	19.44	3 Master's degree
Financial Analysts	319	401	82	13	25.71		
Financial Managers	2,372	2,981	609	95	25.67	29.75	4 Work experience plus bachelor's or higher degree
Chefs and Head Cooks	1,224	1,538	314	68	25.65	10.58	7 Postsecondary vocational training
Library, Museum, Training, and Other Education Workers, All Other (OES Only)	98	123	25	4	25.51	21.21	5 Bachelor's degree
Interpreters and Translators	138	173	35	5	25.36	15.85	9 Long-term on-the-job training
Clergy	71	89	18	3	25.35	15.48	3 Master's degree
Recreational Vehicle Service Technicians	107	134	27	7	25.23	13.42	9 Long-term on-the-job training
Cooks, Restaurant	3,325	4,162	837	187	25.17	8.51	9 Long-term on-the-job training
Miscellaneous Life Scientists	416	520	104	18	25.00	25.88	5 Bachelor's degree
Gaming and Sports Book Writers and Runners	76	95	19	4	25.00		
Economists	28	35	7	2	25.00	29.72	5 Bachelor's degree
Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	350	437	87	23	24.86	14.55	11 Short-term on-the-job training
Boilermakers	85	106	21	5	24.71		
Art & Design Workers, All Other	274	341	67	12	24.45	15.06	5 Bachelor's degree
Clinical, Counseling, and School Psychologists	391	486	95	18	24.30	23.91	3 Master's degree
Insurance Appraisers, Auto Damage	33	41	8	1	24.24		
Motorcycle Mechanics	137	170	33	7	24.09	15.30	9 Long-term on-the-job training
Commercial Pilots	150	186	36	8	24.00		
Aircraft Cargo Handling Supervisors	25	31	6	1	24.00	15.17	8 Work experience in a related occupation
Dining Room and Cafeteria Attendants and Bartender	771	956	185	44	23.99	6.84	11 Short-term on-the-job training
Emergency Medical Technicians and Paramedics	1,139	1,412	273	40	23.97	15.26	7 Postsecondary vocational training
Coin, Vending, and Amusement Machine Servicers and Repairers	176	218	42	9	23.86	13.50	10 Moderate-term on-the-job training
Education Administrators, All Other	206	255	49	10	23.79		
Teacher Assistants	6,184	7,652	1,468	266	23.74	20,410	11 Short-term on-the-job training



Hotel, Motel, and Resort Desk Clerks	862	1,066	204	59	23.67	7.87	11 Short-term on-the-job training
Bus Drivers, School	2,659	3,288	629	121	23.66	12.03	11 Short-term on-the-job training
Insurance Sales Agents	1,023	1,264	241	49	23.56	22.71	5 Bachelor's degree
Transportation Attendants, Except Flight Attendants and Baggage Porters	51	63	12	2	23.53		
Pipelayers	749	925	176	35	23.50	18.20	10 Moderate-term on-the-job training
Floor Layers, Except Carpet, Wood, and Hard Tiles	81	100	19	3	23.46	11.88	10 Moderate-term on-the-job training
Insurance Underwriters	175	216	41	7	23.43	25.07	5 Bachelor's degree
Court Reporters	77	95	18	3	23.38	18.01	7 Postsecondary vocational training
Loan Officers	1,309	1,614	305	52	23.30	24.25	5 Bachelor's degree
Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	275	339	64	13	23.27		
Nuclear Technicians	86	106	20	4	23.26		
Photographic Processing Machine Operators	108	133	25	5	23.15		
Chief Executives	3,566	4,388	822	150	23.05	42.21	4 Work experience plus bachelor's or higher degree
Credit Analysts	191	235	44	7	23.04	24.46	5 Bachelor's degree
Electrical and Electronic Engineering Technicians	1,077	1,325	248	47	23.03	21.23	6 Associate degree
Human Resources Assistants, Except Payroll and Timekeeping	522	642	120	23	22.99	14.38	11 Short-term on-the-job training
Etchers and Engravers	48	59	11	2	22.92		
Helpers--Installation, Maintenance, and Repair Workers	498	612	114	28	22.89	10.72	11 Short-term on-the-job training
Photographers	424	521	97	18	22.88	12.74	9 Long-term on-the-job training
Food Preparation Workers	3,555	4,365	810	207	22.78	8.40	11 Short-term on-the-job training
Amusement and Recreation Attendants	762	935	173	39	22.70	7.96	11 Short-term on-the-job training
Electro-Mechanical Technicians	326	400	74	14	22.70	22.13	6 Associate degree
Pharmacy Aides	146	179	33	6	22.60	11.45	11 Short-term on-the-job training
Legal and Related Workers, All Other (OES Only)	124	152	28	4	22.58	17.41	5 Bachelor's degree
Library Technicians	804	985	181	48	22.51	11.31	11 Short-term on-the-job training
First-Line Supervisors/Managers of Food Preparation and Serving Workers	2,974	3,642	668	138	22.46	10.28	8 Work experience in a related occupation
Crossing Guards	161	197	36	9	22.36	8.96	11 Short-term on-the-job training
Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	211	258	47	10	22.27	11.92	10 Moderate-term on-the-job training
Electrical and Electronics Installers and Repairers, Transportation Equipment	319	389	70	14	21.94		
Recreational Therapists	101	123	22	5	21.78	17.54	5 Bachelor's degree
Water and Liquid Waste Treatment Plant and System Operators	511	622	111	29	21.72	15.47	9 Long-term on-the-job training
Arbitrators, Mediators, and Conciliators	60	73	13	2	21.67	21.23	4 Work experience plus bachelor's or higher degree
Maids and Housekeeping Cleaners	4,906	5,959	1,053	208	21.46	7.45	11 Short-term on-the-job training
Mail Clerks and Mail Machine Operators, Except Postal Service	370	449	79	19	21.35	10.09	11 Short-term on-the-job training
Other Food Preparation and Serving Related Workers	4,493	5,451	958	244	21.32	6.84	
Education Administrators, Elementary and Secondary School	1,016	1,232	216	47	21.26	69,213	4 Work experience plus bachelor's or higher degree
Health Educators	99	120	21	4	21.21	19.19	3 Master's degree

Retail Salespersons	18,118	21,954	3,836	1,042	21.17	10.47	11 Short-term on-the-job training
Painters, Transportation Equipment	270	327	57	13	21.11	21.56	5 Bachelor's degree
Construction Trades and Related Workers, All Other	228	276	48	8	21.05	14.93	8 Work experience in a related occupation
Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	543	657	114	24	20.99	17.54	9 Long-term on-the-job training
Financial Examiners	43	52	9	2	20.93	20.59	5 Bachelor's degree
Budget Analysts	302	365	63	11	20.86	23.57	5 Bachelor's degree
Installation, Maintenance, and Repair Workers, All Other	489	591	102	21	20.86	15.31	9 Long-term on-the-job training
Actors	96	116	20	3	20.83	20,287	9 Long-term on-the-job training
Production, Planning, and Expediting Clerks	818	987	169	37	20.66	17.47	11 Short-term on-the-job training
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	1,173	1,415	242	101	20.63	7.46	11 Short-term on-the-job training
Lawyers	2,638	3,180	542	88	20.55	43.41	1 First professional degree
Laundry and Dry-Cleaning Workers	921	1,110	189	44	20.52	8.22	10 Moderate-term on-the-job training
Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	44	53	9	2	20.45		
Agricultural and Food Science Technicians	236	284	48	9	20.34	15.44	6 Associate degree
Purchasing Agents, Except Wholesale, Retail, and Farm Products	978	1,175	197	44	20.14	21.69	5 Bachelor's degree
Writers and Authors	333	400	67	12	20.12	18.01	5 Bachelor's degree
Agricultural and Food Scientists	179	215	36	7	20.11	30.22	5 Bachelor's degree
Industrial Engineers	1,205	1,447	242	53	20.08		
Maintenance and Repair Workers, General	4,716	5,661	945	185	20.04	15.23	9 Long-term on-the-job training
Conveyor Operators and Tenders	559	671	112	27	20.04	11.68	11 Short-term on-the-job training
Cartographers and Photogrammetrists	95	114	19	5	20.00	19.78	5 Bachelor's degree
Chemists	313	375	62	16	19.81	30.76	5 Bachelor's degree
Food Servers, Nonrestaurant	526	630	104	28	19.77	7.33	11 Short-term on-the-job training
Art Directors	167	200	33	7	19.76	28.66	4 Work experience plus bachelor's or higher degree
Athletes and Sports Competitors	1,378	1,650	272	54	19.74	51,247	9 Long-term on-the-job training
Food Service Managers	1,927	2,307	380	69	19.72	15.12	8 Work experience in a related occupation
Electronics Engineers, Except Computer	213	255	42	8	19.72	36.02	5 Bachelor's degree
Motorboat Mechanics	97	116	19	4	19.59	16.87	9 Long-term on-the-job training
Bindery Workers	246	294	48	11	19.51	11.75	10 Moderate-term on-the-job training
Psychiatric Technicians	241	288	47	8	19.50	12.82	7 Postsecondary vocational training
Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	72	86	14	3	19.44	12.67	10 Moderate-term on-the-job training
Librarians	300	358	58	13	19.33	18.55	3 Master's degree
Truck Drivers, Heavy and Tractor-Trailer	11,683	13,934	2,251	416	19.27	15.18	10 Moderate-term on-the-job training
First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	2,106	2,511	405	93	19.23	21.84	8 Work experience in a related occupation
Media and Communication Workers, All Other	104	124	20	3	19.23	18.20	9 Long-term on-the-job training
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	527	628	101	22	19.17	11.97	10 Moderate-term on-the-job training

Refuse and Recyclable Material Collectors	398	474	76	18	19.10	12.62	11 Short-term on-the-job training
Paving, Surfacing, and Tamping Equipment Operators	262	312	50	9	19.08	15.53	10 Moderate-term on-the-job training
Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	42	50	8	2	19.05	13.81	10 Moderate-term on-the-job training
Miscellaneous Food Preparation and Serving Related Workers	274	326	52	14	18.98	8.53	11 Short-term on-the-job training
Secondary School Teachers, Except Special and Vocational Education	9,197	10,939	1,742	433	18.94	43,628	5 Bachelor's degree
Zoologists and Wildlife Biologists	335	398	63	17	18.81	21.04	2 Doctoral degree
Insurance Claims and Policy Processing Clerks	937	1,113	176	33	18.78		
Cutting and Slicing Machine Setters, Operators, and Tenders	251	298	47	10	18.73	12.16	10 Moderate-term on-the-job training
Operating Engineers and Other Construction Equipment Operators	2,311	2,743	432	103	18.69	16.59	10 Moderate-term on-the-job training
Electrical and Electronic Equipment Mechanics, Installers, and Repairers, All Other (OES Only)	43	51	8	2	18.60	12.38	7 Postsecondary vocational training
Telecommunications Equipment Installers and Repairers, Except Line Installers	1,248	1,480	232	49	18.59	21.67	7 Postsecondary vocational training
Switchboard Operators, Including Answering Service	881	1,044	163	39	18.50	9.87	11 Short-term on-the-job training
Detectives and Criminal Investigators	330	391	61	15	18.48	20.26	8 Work experience in a related occupation
Animal Control Workers	92	109	17	8	18.48	9.97	10 Moderate-term on-the-job training
Helpers--Production Workers	1,870	2,215	345	87	18.45	9.99	11 Short-term on-the-job training
Library Assistants, Clerical	599	708	109	35	18.20	8.79	11 Short-term on-the-job training
Gaming Dealers	94	111	17	5	18.09		
Law Clerks	172	203	31	5	18.02	16.86	5 Bachelor's degree
Vehicle and Mobile Equipment Mechanics, Installers, and Repairers, All Other (OES Only)	217	256	39	10	17.97	11.38	10 Moderate-term on-the-job training
Coaches and Scouts	95	112	17	4	17.89	23,565	9 Long-term on-the-job training
Executive Secretaries and Administrative Assistants	5,764	6,792	1,028	213	17.83	14.67	10 Moderate-term on-the-job training
Commercial and Industrial Designers	118	139	21	4	17.80	17.17	5 Bachelor's degree
Securities, Commodities, and Financial Services Sales Agents	619	729	110	18	17.77	38.08	5 Bachelor's degree
Construction and Building Inspectors	334	393	59	13	17.66	19.17	8 Work experience in a related occupation
Tax Examiners, Collectors, and Revenue Agents	278	327	49	11	17.63	14.60	10 Moderate-term on-the-job training
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	5,211	6,127	916	239	17.58	8.52	9 Long-term on-the-job training
Dishwashers	2,152	2,530	378	110	17.57	6.91	11 Short-term on-the-job training
Bartenders	2,674	3,143	469	153	17.54	6.71	11 Short-term on-the-job training
Fire Fighters	702	825	123	33	17.52	15.29	9 Long-term on-the-job training
Medical Equipment Repairers	189	222	33	9	17.46	20.11	10 Moderate-term on-the-job training
Urban and Regional Planners	190	223	33	10	17.37	22.99	3 Master's degree
First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	456	535	79	19	17.32	16.64	8 Work experience in a related occupation
Shoe and Leather Workers and Repairers	29	34	5	1	17.24	10.62	9 Long-term on-the-job training
Real Estate Sales Agents	529	620	91	20	17.20	22.50	7 Postsecondary vocational training
Gaming Change Persons and Booth Cashiers	606	710	104	40	17.16	9.15	11 Short-term on-the-job training
Computer Programmers	1,260	1,476	216	51	17.14	26.57	5 Bachelor's degree

Gaming Cage Workers	76	89	13	5	17.11		
Bailiffs	82	96	14	3	17.07	16.60	10 Moderate-term on-the-job training
Funeral Attendants	82	96	14	3	17.07	12.60	11 Short-term on-the-job training
Office Machine Operators, Except Computer	446	522	76	19	17.04	10.91	11 Short-term on-the-job training
Police and Sheriff's Patrol Officers	2,400	2,807	407	103	16.96	17.65	9 Long-term on-the-job training
Multi-Media Artists and Animators	118	138	20	5	16.95	16.83	5 Bachelor's degree
Cargo and Freight Agents	125	146	21	5	16.80	15.97	10 Moderate-term on-the-job training
Court, Municipal, and License Clerks	780	910	130	30	16.67	12.30	11 Short-term on-the-job training
First-Line Supervisors/Managers of Police and Detectives	642	749	107	32	16.67	24.20	8 Work experience in a related occupation
Police, Fire, and Ambulance Dispatchers	468	546	78	18	16.67	14.17	10 Moderate-term on-the-job training
Fine Artists, Including Painters, Sculptors, and Illustrators	48	56	8	2	16.67	16.63	9 Long-term on-the-job training
Cashiers	15,306	17,852	2,546	999	16.63	8.21	11 Short-term on-the-job training
Probation Officers and Correctional Treatment Specialists	409	477	68	14	16.63	16.71	5 Bachelor's degree
Aircraft Mechanics and Service Technicians	271	316	45	11	16.61	19.56	7 Postsecondary vocational training
First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	187	218	31	11	16.58	24.28	8 Work experience in a related occupation
Agricultural Inspectors	254	296	42	10	16.54	15.36	8 Work experience in a related occupation
First-Line Supervisors/Managers of Transportation & Material-Moving Machine & Vehicle Oper	764	890	126	31	16.49	19.13	8 Work experience in a related occupation
Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	170	198	28	6	16.47	13.74	10 Moderate-term on-the-job training
Correctional Officers and Jailers	1,447	1,682	235	54	16.24	12.97	10 Moderate-term on-the-job training
Highway Maintenance Workers	776	902	126	24	16.24	16.96	10 Moderate-term on-the-job training
Engineering Managers	1,117	1,298	181	40	16.20	44.38	4 Work experience plus bachelor's or higher degree
Forest and Conservation Workers	99	115	16	4	16.16	14.11	10 Moderate-term on-the-job training
Transportation, Storage, and Distribution Managers	453	526	73	16	16.11	31.69	8 Work experience in a related occupation
Office Clerks, General	12,046	13,983	1,937	461	16.08	11.27	11 Short-term on-the-job training
First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	847	983	136	33	16.06	16.06	10 Moderate-term on-the-job training
Electrical and Electronics Drafters	187	217	30	8	16.04	19.45	7 Postsecondary vocational training
Physicists	262	304	42	13	16.03	44.95	2 Doctoral degree
First-Line Supervisors/Managers of Office and Administrative Support Workers	5,720	6,628	908	214	15.87	17.69	8 Work experience in a related occupation
Elementary and Middle School Teachers, Except Special Education	9,518	11,019	1,501	360	15.77	43,727	5 Bachelor's degree
Payroll and Timekeeping Clerks	750	868	118	32	15.73	13.37	11 Short-term on-the-job training
First-Line Supervisors/Managers of Non-Retail Sales Workers	1,497	1,732	235	52	15.70	24.73	8 Work experience in a related occupation
First-Line Supervisors/Managers of Retail Sales Workers	7,671	8,866	1,195	257	15.58	15.62	8 Work experience in a related occupation
Eligibility Interviewers, Government Programs	366	423	57	16	15.57	15.36	10 Moderate-term on-the-job training
Advertising Sales Agents	883	1,020	137	31	15.52	18.18	10 Moderate-term on-the-job training
Order Clerks	2,552	2,946	394	97	15.44	10.36	11 Short-term on-the-job training
Farm Equipment Mechanics	733	846	113	27	15.42	15.04	7 Postsecondary vocational training

Civil Engineers	1,180	1,361	181	37	15.34	27.70	5 Bachelor's degree
Civil Engineering Technicians	418	482	64	15	15.31	17.50	6 Associate degree
Hairdressers, Hairstylists, and Cosmetologists	2,066	2,382	316	71	15.30	8.98	7 Postsecondary vocational training
Avionics Technicians	85	98	13	3	15.29	22.55	7 Postsecondary vocational training
Mechanical Engineering Technicians	216	249	33	8	15.28	22.03	6 Associate degree
Billing and Posting Clerks and Machine Operators	1,653	1,904	251	53	15.18	9.65	11 Short-term on-the-job training
First-Line Supervisors/Managers of Correctional Officers	33	38	5	2	15.15	20.15	8 Work experience in a related occupation
Traffic Technicians	417	480	63	19	15.11	12.29	11 Short-term on-the-job training
Parking Lot Attendants	73	84	11	3	15.07	9.76	11 Short-term on-the-job training
Chemical Technicians	246	283	37	10	15.04	18.58	6 Associate degree
Administrative Law Judges, Adjudicators, and Hearing Officers	40	46	6	1	15.00	21.18	4 Work experience plus bachelor's or higher degree
Cooks, Short Order	1,625	1,866	241	74	14.83	7.84	11 Short-term on-the-job training
Automotive Service Technicians and Mechanics	4,028	4,623	595	167	14.77	14.29	7 Postsecondary vocational training
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	109	125	16	5	14.68	15.16	10 Moderate-term on-the-job training
Electromechanical Equipment Assemblers	62	71	9	2	14.52	13.60	11 Short-term on-the-job training
Educational, Vocational, and School Counselors	1,013	1,160	147	38	14.51	23.37	3 Master's degree
Nuclear Engineers	324	371	47	14	14.51		
Miscellaneous Office and Administrative Support Workers	1,582	1,811	229	57	14.48	12.74	
Producers and Directors	104	119	15	3	14.42	34,538	4 Work experience plus bachelor's or higher degree
First-Line Supervisors/Managers of Production and Operating Workers	3,135	3,584	449	111	14.32	19.21	8 Work experience in a related occupation
Bus and Truck Mechanics and Diesel Engine Specialists	1,235	1,411	176	49	14.25	15.39	7 Postsecondary vocational training
Mechanical Engineers	706	806	100	29	14.16	30.51	5 Bachelor's degree
Dentists	708	808	100	22	14.12	65.11	1 First professional degree
Laborers and Freight, Stock, and Material Movers, Hand	8,998	10,266	1,268	421	14.09	9.44	11 Short-term on-the-job training
Mobile Heavy Equipment Mechanics, Except Engines	779	888	109	28	13.99	13.53	7 Postsecondary vocational training
Forging Machine Setters, Operators, and Tenders, Metal and Plastic	43	49	6	1	13.95	14.81	10 Moderate-term on-the-job training
Tour Guides and Escorts	352	401	49	14	13.92	12.35	10 Moderate-term on-the-job training
Dispatchers, Except Police, Fire, and Ambulance	887	1,010	123	31	13.87	16.32	10 Moderate-term on-the-job training
Biochemists and Biophysicists	311	354	43	14	13.83	30.85	2 Doctoral degree
Audio-Visual Collections Specialists	304	346	42	9	13.82	23.48	10 Moderate-term on-the-job training
New Accounts Clerks	326	371	45	13	13.80	13.75	8 Work experience in a related occupation
Photographic Process Workers	174	198	24	7	13.79	8.59	10 Moderate-term on-the-job training
Fish and Game Wardens	109	124	15	4	13.76		
Hoist and Winch Operators	95	108	13	4	13.68	13.67	10 Moderate-term on-the-job training
Miscellaneous Managers	4,419	5,021	602	146	13.62	29.91	8 Work experience in a related occupation
Automotive Body and Related Repairers	684	777	93	23	13.60	16.70	9 Long-term on-the-job training
Cooks, Fast Food	3,435	3,901	466	153	13.57	7.30	11 Short-term on-the-job training
Helpers--Extraction Workers	133	151	18	6	13.53	11.96	11 Short-term on-the-job training

Tellers	2,869	3,251	382	180	13.31	9.78	11 Short-term on-the-job training
Farm and Home Management Advisors	83	94	11	2	13.25		
Surveyors	295	334	39	14	13.22	23.49	5 Bachelor's degree
Home Appliance Repairers	441	499	58	16	13.15	14.05	9 Long-term on-the-job training
Molders, Shapers, and Casters, Except Metal and Plastic	132	149	17	5	12.88	15.43	10 Moderate-term on-the-job training
Judges, Magistrate Judges, and Magistrates	70	79	9	2	12.86	70.88	4 Work experience plus bachelor's or higher degree
Sociologists	78	88	10	4	12.82	22.73	3 Master's degree
Medical Appliance Technicians	39	44	5	1	12.82	24.81	9 Long-term on-the-job training
Miscellaneous Physical Scientists	126	142	16	5	12.70	28.61	5 Bachelor's degree
Tire Repairers and Changers	620	698	78	34	12.58	10.64	11 Short-term on-the-job training
Industrial Production Managers	829	933	104	26	12.55	28.99	5 Bachelor's degree
Architectural and Civil Drafters	400	450	50	16	12.50	17.60	7 Postsecondary vocational training
Engine and Other Machine Assemblers	72	81	9	3	12.50		
Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	32	36	4	1	12.50	10.91	10 Moderate-term on-the-job training
Explosives Workers, Ordnance Handling Experts, and Blasters	81	91	10	4	12.35		
Bakers	617	693	76	22	12.32	9.80	9 Long-term on-the-job training
Industrial Truck and Tractor Operators	3,065	3,440	375	96	12.23	11.64	11 Short-term on-the-job training
Transportation Workers, All Other	90	101	11	4	12.22	14.31	11 Short-term on-the-job training
Postal Service Clerks	562	630	68	22	12.10	20.04	11 Short-term on-the-job training
Miscellaneous Information and Record Clerks	1,366	1,530	164	38	12.01	16.20	11 Short-term on-the-job training
Real Estate Brokers	271	303	32	9	11.81	17.03	8 Work experience in a related occupation
Electronic Equipment Installers and Repairers, Motor Vehicles	178	199	21	6	11.80		
Materials Engineers	85	95	10	3	11.76		
File Clerks	1,264	1,412	148	52	11.71	9.86	11 Short-term on-the-job training
Inspectors, Testers, Sorters, Samplers, and Weighers	1,158	1,293	135	40	11.66	14.05	10 Moderate-term on-the-job training
Control and Valve Installers and Repairers, Except Mechanical Door	86	96	10	3	11.63	20.56	10 Moderate-term on-the-job training
Baggage Porters and Bellhops	43	48	5	2	11.63	8.94	11 Short-term on-the-job training
Postmasters and Mail Superintendents	370	413	43	11	11.62	24.09	8 Work experience in a related occupation
Postal Service Mail Carriers	2,427	2,709	282	104	11.62	20.27	11 Short-term on-the-job training
News Analysts, Reporters and Correspondents	330	368	38	12	11.52	14.19	9 Long-term on-the-job training
Industrial Machinery Mechanics	2,404	2,675	271	76	11.27		
Miscellaneous Entertainers and Performers, Sports	153	170	17	4	11.11	40,111	9 Long-term on-the-job training
First-Line Supervisors/Managers of Personal Service Workers	571	633	62	21	10.86	13.39	8 Work experience in a related occupation
Farm, Ranch, and Other Agricultural Managers	1,612	1,784	172	45	10.67	22.74	4 Work experience plus bachelor's or higher degree
Ophthalmic Laboratory Technicians	57	63	6	2	10.53	13.29	10 Moderate-term on-the-job training
Animal Trainers	48	53	5	2	10.42		
Packers and Packagers, Hand	2,715	2,997	282	79	10.39	8.17	11 Short-term on-the-job training
Cooks, Institution and Cafeteria	2,182	2,404	222	90	10.17	9.47	9 Long-term on-the-job training
Telemarketers	2,128	2,344	216	57	10.15	10.58	11 Short-term on-the-job training

Ushers, Lobby Attendants, and Ticket Takers	386	425	39	26	10.10	7.17	11 Short-term on-the-job training
Industrial Engineering Technicians	140	154	14	4	10.00	17.00	6 Associate degree
Bookkeeping, Accounting, and Auditing Clerks	9,636	10,579	943	275	9.79	12.64	10 Moderate-term on-the-job training
Printing Machine Operators	731	802	71	24	9.71	13.77	10 Moderate-term on-the-job training
Floral Designers	548	601	53	13	9.67	8.79	10 Moderate-term on-the-job training
Cabinetmakers and Bench Carpenters	1,364	1,495	131	47	9.60	11.62	9 Long-term on-the-job training
Gaming Supervisors+B466	199	218	19	6	9.55		
Broadcast Technicians	179	196	17	6	9.50	9.88	7 Postsecondary vocational training
Job Printers	160	175	15	5	9.38	16.00	9 Long-term on-the-job training
Structural Metal Fabricators and Fitters	294	321	27	10	9.18	13.35	10 Moderate-term on-the-job training
Purchasing Managers	493	538	45	15	9.13	27.95	4 Work experience plus bachelor's or higher degree
Electrical and Electronics Repairers, Commercial and Industrial Equipment	88	96	8	3	9.09	17.91	7 Postsecondary vocational training
Service Station Attendants	287	313	26	16	9.06	9.48	11 Short-term on-the-job training
Farming, Fishing, and Forestry Workers, All Other (OES Only)	1,937	2,112	175	64	9.03	13.77	11 Short-term on-the-job training
Computer and Information Scientists, Research	92	100	8	2	8.70		
Cleaners of Vehicles and Equipment	1,842	2,000	158	80	8.58	7.77	11 Short-term on-the-job training
Choreographers	106	115	9	7	8.49	17.50	8 Work experience in a related occupation
Shipping, Receiving, and Traffic Clerks	2,695	2,923	228	78	8.46	11.36	11 Short-term on-the-job training
Camera Operators, Television, Video, and Motion Picture	155	168	13	5	8.39	9.54	10 Moderate-term on-the-job training
Material Recording, Scheduling, Dispatching, & Distributing Workers, All Other	192	207	15	9	7.81	8.93	11 Short-term on-the-job training
Couriers and Messengers	310	334	24	10	7.74	9.66	11 Short-term on-the-job training
Chemical Engineers	185	199	14	7	7.57		
Driver/Sales Workers	3,000	3,225	225	72	7.50	9.52	11 Short-term on-the-job training
Pressers, Textile, Garment, and Related Materials	227	244	17	5	7.49	7.99	11 Short-term on-the-job training
Paper Goods Machine Setters, Operators, and Tenders	122	131	9	4	7.38	18.41	10 Moderate-term on-the-job training
Electrical Engineers	1,115	1,197	82	30	7.35		
Secretaries, Except Legal, Medical, and Executive	6,899	7,395	496	182	7.19	10.36	10 Moderate-term on-the-job training
Lodging Managers	376	403	27	9	7.18	13.81	8 Work experience in a related occupation
Dancers	85	91	6	6	7.06		
Packaging and Filling Machine Operators and Tenders	2,417	2,587	170	65	7.03	10.84	11 Short-term on-the-job training
Millwrights	502	537	35	16	6.97	19.38	9 Long-term on-the-job training
Maintenance Workers, Machinery	669	714	45	20	6.73		
Slaughterers and Meat Packers	1,068	1,133	65	30	6.09	12.53	10 Moderate-term on-the-job training
Jewelers and Precious Stone and Metal Workers	168	178	10	4	5.95	20.25	7 Postsecondary vocational training
Sewing Machine Operators	454	481	27	8	5.95	9.01	10 Moderate-term on-the-job training
Wholesale and Retail Buyers, Except Farm Products	540	572	32	17	5.93	20.63	5 Bachelor's degree
Bicycle Repairers	85	90	5	4	5.88	9.04	10 Moderate-term on-the-job training
Mining and Geological Engineers, Including Mining Safety Engineers	34	36	2	1	5.88	36.26	5 Bachelor's degree
Mechanical Drafters	249	263	14	8	5.62	19.27	7 Postsecondary vocational training

Meat, Poultry, and Fish Cutters and Trimmers	506	533	27	14	5.34	9.76	11 Short-term on-the-job training
Furniture Finishers	192	202	10	5	5.21	11.69	9 Long-term on-the-job training
Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	369	388	19	12	5.15	14.18	10 Moderate-term on-the-job training
Funeral Directors	137	144	7	5	5.11	21.46	6 Associate degree
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	100	105	5	3	5.00	21.66	7 Postsecondary vocational training
Team Assemblers	3,705	3,887	182	114	4.91	11.09	10 Moderate-term on-the-job training
Barbers	186	195	9	6	4.84	20.95	7 Postsecondary vocational training
Statistical Assistants	42	44	2	1	4.76		
Power Plant Operators	237	248	11	8	4.64	30.92	9 Long-term on-the-job training
Title Examiners, Abstractors, and Searchers	411	430	19	6	4.62	16.41	10 Moderate-term on-the-job training
Semiconductor Processors	3,599	3,763	164	96	4.56		
Computer Hardware Engineers	1,565	1,634	69	33	4.41		
Food Processing Workers, All Other (OES Only)	486	507	21	13	4.32	7.28	11 Short-term on-the-job training
Separating, Filtering, Clarifying, Precipitating, & Still Machine Setters, Operators, & Tenders	371	387	16	14	4.31	14.10	10 Moderate-term on-the-job training
Postal Service Mail Sorters, Processors, and Processing Machine Operators	1,180	1,230	50	36	4.24	17.00	11 Short-term on-the-job training
Captains, Mates, and Pilots of Water Vessels	48	50	2	2	4.17		
Proofreaders and Copy Markers	73	76	3	2	4.11	11.66	11 Short-term on-the-job training
Operations Research Analysts	200	208	8	5	4.00	25.35	3 Master's degree
Procurement Clerks	278	289	11	8	3.96	14.25	11 Short-term on-the-job training
Credit Authorizers, Checkers, and Clerks	524	544	20	12	3.82	19.35	5 Bachelor's degree
Data Entry Keyers	895	928	33	24	3.69	11.65	10 Moderate-term on-the-job training
Plant and System Operators, All Other	84	87	3	3	3.57	15.22	9 Long-term on-the-job training
Stock Clerks and Order Fillers	4,220	4,363	143	171	3.39	10.23	11 Short-term on-the-job training
Miscellaneous Material Moving Workers	312	321	9	9	2.88	12.97	11 Short-term on-the-job training
Farmworkers, Farm and Ranch Animals	533	547	14	17	2.63	8.30	10 Moderate-term on-the-job training
Geological and Petroleum Technicians	78	80	2	2	2.56	20.15	6 Associate degree
Electrical Power-Line Installers and Repairers	668	684	16	23	2.40	26.61	9 Long-term on-the-job training
Chemical Equipment Operators and Tenders	329	335	6	11	1.82		
Rail Transportation Workers, All Other	56	57	1	2	1.79	18.91	11 Short-term on-the-job training
Door-To-Door Sales Workers, News and Street Vendors & Related Workers	1,606	1,633	27	41	1.68	17.50	11 Short-term on-the-job training
Travel Agents	421	428	7	10	1.66	12.69	7 Postsecondary vocational training
Precision Instrument and Equipment Repairers, All Other	83	84	1	2	1.20		
Dental Laboratory Technicians	197	199	2	5	1.02	13.54	9 Long-term on-the-job training
Parts Salespersons	1,893	1,906	13	55	0.69	12.03	10 Moderate-term on-the-job training
Cementing and Gluing Machine Operators and Tenders	40	40	0	1	0.00	13.06	10 Moderate-term on-the-job training
Correspondence Clerks	125	124	-1	4	-0.80	14.34	11 Short-term on-the-job training
Food Cooking Machine Operators and Tenders	578	573	-5	13	-0.87	11.89	11 Short-term on-the-job training



Fiberglass Laminators and Fabricators	305	302	-3	8	-0.98		
Electric Motor, Power Tool, and Related Repairers	190	188	-2	5	-1.05	18.29	7 Postsecondary vocational training
Computer Operators	619	612	-7	13	-1.13	13.77	10 Moderate-term on-the-job training
Tank Car, Truck & Ship Loaders	75	74	-1	2	-1.33		
Mixing and Blending Machine Setters, Operators, & Tenders	362	357	-5	9	-1.38	15.07	10 Moderate-term on-the-job training
Woodworking Machine Setters, Operators, & Tenders, Except Sawing	675	665	-10	18	-1.48	11.46	10 Moderate-term on-the-job training
Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	110	108	-2	3	-1.82	11.98	10 Moderate-term on-the-job training
Meter Readers, Utilities	327	321	-6	10	-1.83	15.98	11 Short-term on-the-job training
Butchers and Meat Cutters	576	564	-12	13	-2.08	13.00	9 Long-term on-the-job training
Machine Feeders and Offbearers	849	831	-18	23	-2.12	12.45	11 Short-term on-the-job training
Furnace, Kiln, Oven, Drier, and Kettle Operators & Tenders	167	162	-5	4	-2.99	18.06	10 Moderate-term on-the-job training
Fallers	1,231	1,189	-42	23	-3.41	15.85	10 Moderate-term on-the-job training
Tailors, Dressmakers, and Custom Sewers	170	164	-6	3	-3.53	9.08	8 Work experience in a related occupation
Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	446	429	-17	13	-3.81	12.10	11 Short-term on-the-job training
Food Batchmakers	505	484	-21	12	-4.16	19.63	5 Bachelor's degree
Logging Equipment Operators	3,221	3,061	-160	59	-4.97	20.08	10 Moderate-term on-the-job training
Miscellaneous Woodworkers	354	335	-19	10	-5.37	10.45	10 Moderate-term on-the-job training
Stationary Engineers and Boiler Operators	220	208	-12	4	-5.45	17.83	9 Long-term on-the-job training
Petroleum Pump System Operators, Refinery Operators, and Gaugers	35	33	-2	1	-5.71	16.32	9 Long-term on-the-job training
Coil Winders, Tapers, and Finishers	34	32	-2	1	-5.88	12.70	11 Short-term on-the-job training
Electrical and Electronic Equipment Assemblers	1,976	1,847	-129	47	-6.53	11.70	11 Short-term on-the-job training
Upholsterers	75	70	-5	2	-6.67	10.71	9 Long-term on-the-job training
Continuous Mining Machine Operators	52	48	-4	2	-7.69	20.13	10 Moderate-term on-the-job training
Prepress Technicians and Workers	185	169	-16	4	-8.65	14.43	9 Long-term on-the-job training
Log Graders and Scalers	234	213	-21	4	-8.97	14.84	10 Moderate-term on-the-job training
Chemical Plant and System Operators	551	501	-50	17	-9.07	21.30	9 Long-term on-the-job training
Announcers	566	501	-65	14	-11.48	11.71	9 Long-term on-the-job training
Sawing Machine Setters, Operators, and Tenders, Wood	1,125	988	-137	32	-12.18	11.81	10 Moderate-term on-the-job training
Brokerage Clerks	139	121	-18	2	-12.95	17.37	10 Moderate-term on-the-job training
Motion Picture Projectionists	69	60	-9	4	-13.04	8.13	11 Short-term on-the-job training
Loan Interviewers and Clerks	757	657	-100	10	-13.21	9.35	10 Moderate-term on-the-job training
Tool Grinders, Filers, and Sharpeners	132	114	-18	4	-13.64	13.48	10 Moderate-term on-the-job training
Word Processors and Typists	686	583	-103	15	-15.01	13.60	10 Moderate-term on-the-job training
Railroad Conductors and Yardmasters	325	271	-54	9	-16.62	29.10	8 Work experience in a related occupation
Locomotive Engineers	296	240	-56	9	-18.92	30.76	11 Short-term on-the-job training
Rail-Track Laying and Maintenance Equipment Operators	145	117	-28	3	-19.31	16.86	10 Moderate-term on-the-job training
Farmers and Ranchers	46	35	-11	0	-23.91		
Railroad Brake, Signal, and Switch Operators	85	58	-27	1	-31.76	24.04	8 Work experience in a related occupation

- 1 = First professional degree
- 2 = Doctoral degree
- 3 = Master's degree
- 4 = Work experience plus bachelor's or higher degree
- 5 = bachelor's degree
- 6 = Associate degree
- 7 = Postsecondary vocational training
- 8 = Work experience in a related occupation
- 9 = Long-term on-the-job training
- 10 = Moderate-term on-the-job training
- 11 = Short-term on-the-job training